

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
Lizhi Wang) Examiner: Unassigned
Serial No.: Unassigned) Art Unit: Unassigned
Filed: Unassigned)
For: DESCRIPTORS ADJUSTMENT WHEN)
USING STEERABLE PYRAMID TO EXTRACT)
FEATURES FOR CONTENT BASED SEARCH)
Which is a continuation of:)
Serial No. 09/440,491)
Filed: November 15, 1999)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Applicant hereby request consideration of the enclosed Information Disclosure Statement pursuant to 37 C.F.R. § 1.97(c).

Attached are the PTO Forms 1449 and Form 892 from the parent application filed on November 15, 1999, (Serial No. 09/440,491). This previous application is relied upon for an earlier filing date under 35 U.S.C. 120.

Pursuant to C.F.R. 1.98(d), copies of the references are not being provided herewith since they were previously sent to the patent and Trademark Office. Please consider theses cited documents in the currently pending 1.53(b) continuation application filed November 15, 1999.

Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

If there are any additional charges, please charge Deposit Account No. 02-2666.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: October 23, 2003

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Substitute for form 1449A/PTO
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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(use as many sheets as necessary)

Application Number	09/440,491
Filing Date	11/15/99
First Named Inventor	Lizhi Wang
Group Art Unit	2774 2623
Examiner Name	Not Assigned <i>Mehrdad Dastour</i>
Attorney Docket Number	080398.P229

Sheet 1 of 3

U.S. PATENT DOCUMENTS

Examiner Initials	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Class/Subclass	Date of Publication of Cited Document MM-DD-YYYY	Filing Date if Appropriate
	Number					
MD	4646250		Childress, John F.	707/507	2/24/1987	10/18/1984
MD	4672683		Matsueda, Akira	382/305	6/9/1987	3/19/1985
MD	4716404		Tabata, et al.	345/625	12/29/1987	3/29/1984
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MD	4850025		Abe, Keiko	382/220	7/18/1989	9/23/1986
MD	4944023		Imao, et al.	382/240	7/24/1990	5/18/1988
MD	5012334		Etra, William	348/107	4/30/1991	1/29/1990
MD	5093867		Hori, et al.	382/141	3/3/1992	8/20/1990
MD	5148522		Okazaki, Akio	345/855	9/15/1992	2/19/1991
MD	5179652		Rozmanith, et al.	345/747	1/12/1993	12/13/1989

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OTHER DOCUMENTS

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MD	Dissertation by LIZHI WANG, University of California, Irvine "Illumination & Geometry Invariant Recognition" submitted in partial satisfaction of the requirements for the degree of Doctor	
	of Philosophy in Engineering, Dis Committee: Prof. Glenn E. Healey, Chair, Prof. Phillip	
	Sheu, Prof. Geoff Iverson, 1997, pp. ii-xi, 1-105	
MD	Magnifi Application Server; Overview; Magnifi Products; pp. 1-4.	

Examiner Signature	<i>Mehrdad Dastour</i>	Date Considered	9/30/02
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(use as many sheets as necessary)

Application Number

09/440,491

Filing Date

1/15/99

First Name and Inventor

Lizhi Wang

Group Art Unit

2623

Examiner Name

Not Assigned Mehrdad Dastour

Sheet 2 of 3  Attorney Docket Number 080398.P229

U.S. PATENT DOCUMENTS

Examiner Initials *	U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Class / Sub class	Date of Publication of Cited Document MM-DD-YYYY	Filing Date if Appropriate
				MM-DD-YYYY	
MD	5202828	Vertelney, et al.	707/530	4/13/1993	5/15/1991
MD	5220648	Sato, Minoru	707/3	6/15/1993	5/25/1990
MD	5249056	Foung, et al.	348/97	9/28/1993	7/16/1991
MD	5381158	Takahara, et al.	345/156	1/10/1995	4/5/1994
MD	5421008	Banning, et al.	707/4	5/30/1995	11/8/1991
MD	5428727	Kurosu, et al.	707/502	6/27/1995	2/16/1993
MD	5434966	Nakazawa, et al.	345/617	7/18/1995	6/1/1992
MD	5462370	Nagata, Yasuyuki	384/549	9/19/1995	12/7/1993
MD	5469209	Gunday, et al.	348/96	11/21/1995	9/7/1993
MD	5469512	Fujita, et al.	382/118	11/21/1995	9/7/1993

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OTHER DOCUMENTS

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MD	Oracle8™ Image Data Cartridges; Features Overview; June 1997; pp. 1 - 5, 1 - 8.	
MD	VIR Image Engine; Products & Technologies; Virage, Inc.; 1998; pp. 1, 1 - 3	
MD	BINAGHI, ELISABETTA et al.; Indexing and Fuzzy Logic-Based Retrieval of Color Images;	
	Proceedings of the IFIP TC2/WG2.6 Second Working Conference on Visual Data Base	
	Systems; Budapest, Hungary, 30 September - 3 October, 1991; edited by E. Knuth and L.M.	

Examiner Signature		Date Considered	9/30/02
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<p>Substitute for form 1449A/PTO (Modified by BSTZ 6/30/99)</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>			<i>Complete if Known</i>		
			Applicant Number	09/440,491	
			Filing Date	11/15/99	
			First Name of Inventor	Lizhi Wang	
Group Art Unit	277-2623				
Examiner Name	Not Assigned <i>Mehrdad Dastviri</i>				
Sheet	3	of	3	Attorney Docket Number	080398.P229

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	Number					
MD	5579471		Barber, et al.	345/700	11/26/1996	3/23/1994
MD	5586197		Takeo Kaneko et al. <i>Tsujimura et al.</i>	382/162	12/17/1996	9/2/1994
MD	5621821		Pearman, et al.	382/254	4/15/1997	12/28/1994
MD	5687239		Inanaga et al.	381/309	11/11/1997	10/4/1994
MD	5704013		Watari, et al.	706/25	12/30/1997	12/28/1994
MD	5729471		Jain, et al.	725/131	3/17/1998	3/31/1995
MD	5745126		Jain, et al.	382/154	4/28/1998	6/21/1996
MD	5751286		Barber, et al.	345/835	5/12/1998	1/24/1997
MD	5767893		Chen, et al.	725/119	6/16/1998	10/11/1995
MD	5793888		Delanoy, Richard L.	382/219	8/11/1998	1/29/1997

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OTHER DOCUMENTS

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	Wegner; Elsevier Science Publishers B.V.; 1992; pp. 79-92.	
MD	SWAIN, MICHAEL J., et al.; Color Indexing; International Journal of Computer Vision; Vol. 7;	
	No. 1; 1991; Kluwer Academic Publishers; pp. 11-32.	
MD	TAMURA, HIDEYUKI et al.; Textural Features Corresponding to Visual Perception; IEEE	
	Transactions on Systems, Man, and Cybernetics; Vol. SMC-8; No. 6; June 1978; pp. 460-472.	

Examiner Signature	<i>Mehrdad Dastviri</i>	Date Considered	9/30/02
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Notice of References Cited	Application/Control No.	Applicant(s)/Patent Under Reexamination	
	09/440,491	WANG, LIZHI	
Examiner Mehrdad Dastouri	Art Unit 2623	Page 1 of 1	

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*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
A	US-5,956,427	09-1999	Greenspan et al.	382/240
B	US-6,289,123	09-2001	Xiaomang et al.	382/181
C	US-5,526,446	06-1996	Adelson et al.	382/260
D	US-5,539,541	07-1996	Ushida, Katsutoshi	358/448
E	US-5,974,159	10-1999	Lubin et al.	382/106
F	US-6,256,409	07-2001	Wang, Lizhi	382/170
G	US-			
H	US-			
I	US-			
J	US-			
K	US-			
L	US-			
M	US-			

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N					
O					
P					
Q					
R					
S					
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NON-PATENT DOCUMENTS

*	Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)		
U	Gregory A. Baxes, Principles and Applications of Digital Image Processing ISBN: 0-471-00949-0; John Wiley & Sons, Inc., 1994.		
V	Freeman et al, Design and Use of Steerable Filters, IEEE Paper ISBN: 0162-8828-9, September 1991, Vol. 13, No. 9, Pages 891-906.		
W			
X			

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)

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		Examiner Mehrdad Dastouri	Art Unit 2623	Page 1 of 1

U.S. PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
A	US-6,532,301	03-2003	Krumm et al.	382/170
B	US-5,915,036	06-1999	Grunkin et al.	382/132
C	US-5,633,511	05-1997	Lee et al.	250/587
D	US-			
E	US-			
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H	US-			
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J	US-			
K	US-			
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